

Attorney Docket No. 01582/LH

**IN THE UNITED STATES PATENT
AND TRADEMARK OFFICE**

Applicant(s): Yasuteru TAKAHAMA and
Shunichi KUBOTA

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Barbara Villani

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PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

S I R :

Please amend the above-identified application as follows:

IN THE CLAIMS:

Please cancel claims 4-9 and 18-20, without prejudice, and
add new claims 29-34, as follows:

29. (New) An inverted microscope according to claim 21,
wherein the contraction magnification of the photographing system
is so set that the magnification of the image of the observation
sample displayed by the display means should be equal to the
magnification of the image of the observation sample observed by
the eyepieces.

30. (New) An inverted microscope according to claim 21,
wherein when displaying the image photographed by the
photographing means by the display means, a signal processing
portion having an electronic zoom function for magnifying the
image by an optional magnification is arranged,

and the contraction magnification of the photographing optical system (β) is made so that the area of the image photographed by the photographing means should be almost equal to the area observed by the eyepieces ($\beta \approx K/FN$, when the width across of the photographing element is set as K, and the number of views of the eyepieces is set as FN), and the magnification of the electronic zoom is made variable, thereby the magnification of the image of the observation sample displayed by the display means can be made equal to the magnification of the image of the observation sample observed by the eyepieces.

31. (New) An inverted microscope according to claim 30, further comprising: means for storing plural magnifications of the image of the observation sample displayed by the display means changed by the electronic zoom function; and means for setting the magnification of the image of the observation sample displayed by the display means to an optional magnification.

32. (New) An inverted microscope according to claim 23, wherein the contraction magnification of the photographing system is so set that the magnification of the image of the observation sample displayed by the display means should be equal to the magnification of the image of the observation sample observed by the eyepieces.

33. (New) An inverted microscope according to claim 23, wherein when displaying the image photographed by the photographing means by the display means, a signal processing portion having an electronic zoom function for magnifying the image by an optional magnification is arranged,

and the contraction magnification of the photographing optical system (β) is made so that the area of the image photographed by the photographing means should be almost equal to the area observed by the eyepieces ($\beta \approx K/FN$, when the width

10 across of the photographing element is set as K, and the number
of views of the eyepieces is set as FN), and the magnification of
the electronic zoom is made variable, thereby the magnification
of the image of the observation sample displayed by the display
means can be made equal to the magnification of the image of the
15 observation sample observed by the eyepieces.

34. (New) An inverted microscope according to claim 33,
further comprising: means for storing plural magnifications of
the image of the observation sample displayed by the display
means changed by the electronic zoom function; and means for
5 setting the magnification of the image of the observation sample
displayed by the display means to an optional magnification.

REMARKS

Claims 4-9 and 18-20 have been canceled, without prejudice.
New claims 29-34 have been added.

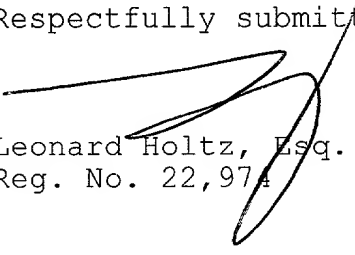
New claims 29-34 correspond respectively to canceled
claims 4-9, except that:

1. New claims 29 and 30 depend from claim 21;
2. New claim 31 depends from new claim 30;
3. New claims 32 and 33 depend from claim 23; and
4. New claim 34 depends from new claim 33.

No new matter has been added, and it is respectfully
requested that the amendment to the claims as set forth
hereinabove be approved and entered.

If the Examiner has any comments, questions, objections or
recommendations, the Examiner is invited to telephone the
undersigned at the telephone number given below for prompt
action.

Respectfully submitted,


Leonard Holtz, Esq.
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Dated: September 19, 2001

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